

1 1. A method of testing voice call quality in a Voice
2 Over Internet Protocol (VOIP) network comprising:
3 enabling a communications device connected to the
4 VOIP network to answer a test call received over the VOIP
5 network by playing a voice file;
6 generating a test call over the VOIP network to the
7 communications device; and
8 measuring voice call listening quality from the
9 voice file played by the communications device.

1 2. The method of claim 1, wherein the communications
2 device is a VOIP gateway.

1 3. The method of claim 1, wherein measuring comprises:
2 measuring the voice call listening quality using a
3 perceptual test model.

1 4. The method of claim 3, wherein the perceptual test
2 model comprises Perceptual Analysis Measurement System (PAMS).

1 5. The method of claim 3, wherein the perceptual test
2 model comprises Perceptual Speech Quality Measurement (PSQM).

1 6. The method of claim 1, wherein enabling comprises:
2 configuring the communications device to use an
3 interactive response unit within the communications device to
4 answer the test call.

1 7. The method of claim 1, wherein generating comprises:

2 controlling a test probe to place the test call to
3 the communications device.

1 8. The method of claim 7, wherein measuring comprises:
2 using the test probe that placed the test call to
3 measure the voice call listening quality.

1 9. The method of claim 8, wherein the test probe is
2 connected to the VOIP network over an IP connection.

1 10. A method of testing voice call quality in a Voice
2 Over Internet Protocol (VOIP) network comprising:
3 enabling communications devices connected to the
4 VOIP network to answer test calls received over the VOIP
5 network by playing embedded voice files;
6 controlling a single test probe to generate test
7 calls over the VOIP network to the communications devices; and
8 using the single test probe to measure the voice
9 call listening quality from the embedded voice files played by
10 the communications devices.

1 11. The method of claim 10, wherein the communications
2 devices include a VOIP gateway.

1 12. The method of claim 11, wherein the communications
2 devices further include a VOIP telephone.

1 13. A computer program product residing on a computer
2 readable medium for testing voice quality in a Voice Over
3 Internet Protocol (VOIP) network, comprising instructions

4 causing a computer to:
5 enable a communications device connected to the VOIP
6 network to answer a test call received over the VOIP network
7 by playing a voice file;
8 generate a test call over the VOIP network to the
9 communications device; and
10 measure voice listening quality from the voice file
11 played by the communications device.

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